HW#12: Missing Angles

Geometry

Due Date: Monday September, 23, 2013

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

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| 1. Find the measure of b. | 2. Find the measure of b. |
| 3. Find the measure of b. | 8. Find *a* and *b.* |
| 5. Find the measure of b. | 6. Find the measure of b. Is angle B acute, obtuse, right, or straight? |
| 9. Use the figure below, to give another name for the angle in the diagram and classify the angle.  A B  14 C  X  F    E D  \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 10. a. Tell whether the following angles are Acute, Obtuse, Right, or Straight.  b. Then state if they are complementary, supplementary or neither. Justify your response using degree measures. |

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| 11) Write an equation for a line parallel to -1 = -x + y passing through (4, 3). | 12) Write an equation for a line perpendicular to  4x + 8y = 12 and passing through (1, -9). |
| 13) Write an equation for a line perpendicular to  -7y + 3 = 21x and passing through (-3, 6). | 14) Circle the equation of the line with the steepest slope.  -3 = -y + 3x  3 – 3y = -3x  0.5x = 1 + 0.2y  y = 8x + 3 |